

Title (en)

OSTEOSYNTHESIS DEVICE FOR PROXIMAL FEMUR FRACTURE AND MASTER SCREW TYPE SCREW DEVICE FOR OSTEOSYNTHESIS
DEVICE FOR PROXIMAL FEMUR FRACTURE

Title (de)

OSTEOSYNTHESEVORRICHTUNG FÜR PROXIMALE FEMURFRAKTUREN UND BEFESTIGUNGSSCHRAUBENVORRICHTUNG FÜR DIE
OSTEOSYNTHESEVORRICHTUNG FÜR PROXIMALE FEMURFRAKTUREN

Title (fr)

DISPOSITIF D'OSTÉOSYNTHESE SERVANT AUX FRACTURES DU FÉMUR PROXIMAL ET DISPOSITIF À VIS DE TYPE VIS PATRONNE
DESTINÉ AUDIT DISPOSITIF D'OSTÉOSYNTHESE SERVANT AUX FRACTURES DU FÉMUR PROXIMAL

Publication

EP 2990001 B1 20170830 (EN)

Application

EP 14860728 A 20140725

Priority

- JP 2013243312 A 20131107
- JP 2014077331 A 20140317
- JP 2014069665 W 20140725

Abstract (en)

[origin: EP2990001A1] An embodiment of the present invention is an osteosynthesis apparatus for proximal femur fractures which has a structure in which a lag screw set and a nail are assembled by screwing. A lag screw is assembled with a key ring and a fastening nut in advance and when inserting this lag screw set into a bone, grip bars are inserted radially at a predetermined angle and direction, resulting in a strong bone holding power. Further, in a final step, a strong fixed coupling is achieved by forcibly screwing and engaging the lag screw and the fastening nut by an interference of the threads of the lag screw and the fastening nut. Thus, the osteosynthesis apparatus for proximal femur fractures has a strong bone holding power and is stable without loosening.

IPC 8 full level

A61B 17/74 (2006.01); **A61B 17/17** (2006.01)

CPC (source: EP US)

A61B 17/1721 (2013.01 - EP US); **A61B 17/74** (2013.01 - US); **A61B 17/744** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2990001 A1 20160302; EP 2990001 A4 20160525; EP 2990001 B1 20170830; CN 105263429 A 20160120; CN 105263429 B 20170606;
JP 5770394 B1 20150826; JP WO2015068434 A1 20170309; KR 101672159 B1 20161102; KR 20150138424 A 20151209;
US 2016128743 A1 20160512; US 9480509 B2 20161101; WO 2015068434 A1 20150514

DOCDB simple family (application)

EP 14860728 A 20140725; CN 201480031139 A 20140725; JP 2014069665 W 20140725; JP 2014559029 A 20140725;
KR 20157033572 A 20140725; US 201414894597 A 20140725